2012 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 & 2 FAMILY DWELLINGS & TOWNHOUSES)

_____ ZIP CODE; ________

JIB WATERFRONT AMENITY, PHASE I - OBSERVATION DECK

705 & 707 SHEPARD STREET, MOREHEAD CITY, NC

WATERFRONT RECREATION & WATER ACCESS

SERVIND IN THUMBER SERVIND SER	
SECTION OF NO CODE PATE SECTION OF NO CO	ct@ec.rr.co vid-inc.com udenginee udenginee udenginee
CRESTAL TEAT APPLY	UPFIT RENOVATION
SPRINGERS MO	
CORSS BULDING AFEC. SUB-TOTAL SUB-TO	
## HEIGES ## HEIGES ## PROOFS ## PRO	
Page A Fountrin (4976) + Street Pavers & Observation Dack (6465) = 11441	
ALLOWABLE AREA CCCUPANCY: ASSEMBLY A1	
H-1 DETONATE	
ACCESSORY OCCUPANCIES: (NONE) ASSEMBLY A1] H-5 HPM
ASSEMBLY	
MERCANTILE RESIDENTIAL RESIDEN] н-5 нРМ
FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU PER HOUR INPUT ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HORSEPOWER REFRIGERANT MACHINE ROOM HYDROGEN CUTOFF ROOMS, NOT CLASSIFIED AS GROUP H INCINERATOR ROOMS PAINT SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN OCCUPANCIES OTHER THAN GROUP F LABORATORIES AND VOCATIONAL SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN A GROUP E OR I-2 OCCUPANCY LAUNDRY ROOMS OVER 100 SQUARE FEET GROUP I-3 CELLS EQUIPPED WITH PADDED SURFACES GROUP I-2 WASTE AND LINEN COLLECTION ROOMS WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET STATIONARY STORAGE BATTERY SYSTEMS HAVING A LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS, OR A LITHIUM-ION CAPACITY OF 1,000 POUNDS USED FOR FACILITY STANDBY POWER, EMERGENCY POWER OR UNINTERRUPTED POWER SUPPLIES ROOMS CONTAINING FIRE PUMPS GROUP I-2 COMMERCIAL KITCHENS GROUP I-2 LAUNDRIES EQUAL TO OR LESS THAN 100 SQUARE FEET GROUP I-2 ROOMS OR SPACES THAT CONTAIN FUEL-FIRED HEATING EQUIPMENT SPECIAL USES: (NONE)	
SPECIAL USES: (NONE)	

THIS SEPARATION IS NOT NON-SEPARATED USE (50)	831							
THE REQUIRED TYPE OF APPLICABLE OCCUPANC	CONSTRUCTIO	N FOR THE BUILDIN TIRE BUILDING. TH	IG SHALL BE DETER E MOST RESTRICTIV	RMINED BY APPLYING VE TYPE OF CONSTRU	THE HEIGHT A ICTION, SO DE	IND AREA LIMIT. TERMINED, SHA	ATIONS FOR EACH C LLL APPLY TO THE E	F THE NTIRE BUILE
SEPARATED USE (508.4) - FOR EACH STORY, THE A ALLOWABLE FLOOR AREA	REA OF THE O	CCUPANCY SHALL	BE SUCH THAT THE	SUM OF THE RATIOS	OF THE ACTU	AL FLOOR AREA	OF EACH USE DIVIE	ED BY THE
<u>ACTUAL AREA OF</u> ALLOWABLE ARE			CTUAL AREA OF OC LLOWABLE AREA O		≤ 1.00			≤1
IOT APPLICABLE)	····	+ _			···· =			
STORY NO DESCR	l l	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR FRONTAGE INCREASE 1	(D) AREA F SPRINK INCRE	FOR A	(E) LLOWABLE AREA OR JNLIMITED ³	(F) Maximum Building Area ⁴
B. SINGLE STORY BUILD UNLIMITED AREA APPLICABLI MAXIMUM BUILDING AREA = T THE MAXIMUM AREA OF OPE WITH TABLE 412.1.2. N.	E UNDER COND TOTAL NUMBER N PARKING GAN	ITIONS OF SECTIO OF STORIES IN TH RAGES MUST COM	HE BUILDING × E (PLY WITH TABLE 40	(506.4) N/A 6.3.5. THE MAXIMUM A	REA OF AIR TI	RAFFIC CONTRO	OL TOWERS MUST CO	DMPLY
		ALLO	WABLE LE 503)	INCREAS SPRINK			SHOWN ON PLANS	CODE
TYPE OF CONSTRUCTION		TYPE	Terest 11.00		TYPE			
SUPPOSE OF THE PROPERTY OF THE PERSON OF THE			FFFT = H ± 20'					
BUILDING HEIGHT IN FEET BUILDING HEIGHT IN STORIES FIRE PROTECTI						STORIES		negi
BUILDING HEIGHT IN STORIES		FIRE SEPARATI DISTANO	ON REQ'D	PPLICABLE) RATING PROVIDED (W/	DETAIL# AND SHEET#	DESIGN# FOR RATED	DESIGN# FOR RATED	FC RAT
BUILDING HEIGHT IN STORIES		FIRE SEPARATI	ON REQ'D	PPLICABLE) RATING PROVIDED	AND	DESIGN# FOR	DESIGN# FOR	FC RAT
BUILDING HEIGHT IN STORIES	ON REC	FIRE SEPARATI DISTANO	ON REQ'D	PPLICABLE) RATING PROVIDED (W/	AND	DESIGN# FOR RATED	DESIGN# FOR RATED	FC RAT
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NO YES SEPARATION:HR. EXCEPTION: E SEPARATION (508.2.5) ON IS NOT EXEMPT AS A NON-SEPARATED USE (SEE EXCEPTIONS).								ALL LOCATIONS (C	HAPTER 7)	<u>, </u>	_						
D USE (508.3.) TYPE OF CONSTRUC CCUPANCIES TO THE	TION FOR THE BUILDING ENTIRE BUILDING. THE	G SHALL BE DE MOST RESTRIC	TERMINED BY APPLYING CTIVE TYPE OF CONSTRU	THE HEIGHT AND A	AREA LIMITATIONS IMINED, SHALL APF	S FOR EACH OF THE ENT	THE 1RE BUILDING.	EXTERIOR EXISTING	AND HEAL PROPERT WALL OPENING ARE STRUCTURES WITHIN CY TYPES FOR EACH I LOADS FOR EACH !	A WITH RESPECT ¹ I 30' OF PROPOSEI AREA AS IT RELA ¹	TO DISTANCE T D BUILDING						
RY, THE AREA OF TH	W FOR AREA CALCULAT E OCCUPANCY SHALL B I USE & SHALL NOT EXC	E SUCH THAT T	THE SUM OF THE RATIOS	OF THE ACTUAL F	LOOR AREA OF EA	ACH USE DIVIDEI	D BY THE	COMMONI DEAD END	SS TRAVEL DISTANC PATH OF TRAVEL DIS LENGTHS (1018.4) IT WIDTHS FOR EACH	TANCES (1014.3 &							
AREA OF OCCUPAN ABLE AREA OF OCCU			OCCUPANCY B	≤ 1.00 +··· = _			≤ 1.00	MAXIMUM ACTUAL O A SEPARA OCCUPAN	CALCULATED OCCUP CCUPANT LOAD FOR TE SCHEMATIC PLAN CY SEPARATION	PANT LOAD CAPAC EACH EXIT DOOR I INDICATING WHE	RE FIRE RATE						
BLE) DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR FRONTAGE INCREASE 1	(D) AREA FOR SPRINKLER INCREASE	AREA (OR E	(F) MAXIMUM BUILDING AREA ⁴	LOCATION LOCATION LOCATION LOCATION THE SQUA	I OF DOORS WITH PA I OF DOORS WITH DE I OF DOORS WITH ELI I OF DOORS EQUIPPE I OF EMERGENCY ES ARE FOOTAGE OF EA ARE FOOTAGE OF EA	(LAYED EGRESS LO ECTROMAGNETIC ED WITH HOLD-OPI CAPE WINDOWS (* CH FIRE AREA (902	OCKS AND THE EGRESS LOCH EN DEVICES 1029) 2)	KS (1008.1.9.8)	DELAY (1008.1.	.9.7)			
								NOTE ANY	CODE EXCEPTIONS	OR TABLE NOTES	THAT MAY HA	IVE BEEN UTIL	IZED REGARDI	NG THE ITEMS ABO	OVE		
WHICH FRONTS A P		PACE HAVING 2	N/A D FT MIN. WIDTH =		(<i>F</i>)	II		ACCESSIBL (SECTION 1107)	E DWELLIN	NG UNITS	(NOT	F APPLICA	ABLE)				
P) =	OWAY = ASE I _f = 100 [<i>F/P</i> - 0.1 N 506.3 IS AS FOLLOWS: NO PERCENT	(W) 25] x W /30 = N/A IS (507). N/A	(%)				TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	u	PE A NITS JUIRED	TYPE A UNITS PROVIDED	TYPE UNITS REQUIR	s u	YPE B INITS OVIDED	TOTAL ACCESSI UNITS PROVID
A OF OPEN PARKING 12.1.2. N/A	GARAGES MUST COMP	LY WITH TABLE	406.3.5. THE MAXIMUM /	AREA OF AIR TRAFF	FIC CONTROL TOW	VERS MUST COM	MPLY	ACCESSIBL (SECTION 1106)	E PARKINO	<u>G</u> (EXIST	ING)						
E HEIGHT	(NOT APPLICAE		INCREAS		SHOV	1	CODE	LOT OR PARKING AREA	TOTAL #	# OF PARKING SPA	CES OVIDED	REGULA 5' ACC	R WITH	ESSIBLE SPACES P VAN S 132" ACCESS AISLE	PACE WITH 8' ACCE		TOTAL # ACCESSIE PROVIDE
	(TABL		SPRINK	(LERS	ON PL/	ANS	REFERENCE	N/A	N/A			Aloi		111044			
CTION N FEET N STORIES		TYPE	FEET = H + 20'		STORIES			TOTAL									
AE, NS, GIRDERS, RTH	FIRE SEPARATIC DISTANCE (FEET)		PROVIDED (W/* REDUCTION)	AND SHEET#	FOR RATED	DESIGN # FOR RATED ENETRATION	DESIGN # FOR RATED JOINTS	SNO) SEISI LIVE LOADS: ROO	E FACTORS: O(I _W) N(I _S) MIC(I _E) F ZANINE DR	1,0 1.0 1.0 1.0 N/A N/A 100	F	PSF PSF PSF					
ST UTH LS AND								EXP	C WIND SPEED OSURE CATEGORY _	135 C		MPH (ASCE-7		v	19K /F	NECK)	
WALLS								WINE SEISMIC DESIGN CA) BASE SHEARS (FOF TEGORY	R MWFRS)	1	V _x = <u>10.</u> V _x = <u>9.6</u> X B	<u>K</u>	Vy = Vy = □ D	1.2 K (E 6.6 K (F	OUNTAIN))
ORTH ST EST DUTH								PROVIDE THE FOLLO	DWING SEISMIC DESI Y CATEGORY (TABLE RESPONSE ACCELER	GN PARAMETERS: 1604.5)		□ । S _s <u>0.151</u>	X II		□ IV 063 %ø		
R PARTITIONS CTION DRITING BEAMS									FICATION (TABLE 161			A FIELD TE	□ B	C PRES	□ D		E HISTORICA
TION DRTING BEAMS									CTURAL SYSTEM (CH BEARING WALL BUILDING FRAME MOMENT FRAME		ĺ	DUAL W	DENDUITIN	R/C OR SPECIAL S			
RES - EXIT RES - OTHER RATION								ANALYSIS P	MOMENT FRAME SE SHEAR ROCEDURE URAL, MECHANICAL,	V _x =	3.8 K SIMPLIFIED CHORED ?	∪	K (DECI	K) V _x = _ ALENT LATERAL FO NOT REQUIR!	<u>16 K</u> V _y = Drce ED	<u>16 K</u> (F	FOUNTA DYNAMIC
ARATION SEPARATION SEPARATION								LATERAL DESIGN C		EARTHO				V _x = Wind	۷ _/ = Seisı eismic (FO l	mic (DECK	
TION SEPARATION ON NUMBER PERMIT	ING REDUCTION								ACITIES: (PROVIDE COPY OF IVE BEARING CAPACI			2000 N/A			PSF	•	
TY SYSTE	M REQUIRE	MENTS ((NOT APPLICABL	.E)				PILE SIZE, T	YPE, AND CAPACITY	×	YES		(10 Reinfo	orced Concret	re		
Y LIGHTING: : I: ECTION SYSTEMS:		40	yes Yes Yes Partial		 			PLUMBING (TABLE 2902.1)	G FIXTURE	REQUIRE	EMENTS	<u>S</u> (нот /	APPLICAB	LE)			
DWARE:		.v Ц						USE SPACE		WATERCLOSE MALE F	EMALE	URINALS	LA MALE	VATORIES FEMALE	SHOWERS/ TUBS	DRINK REGULA	KING FOUNT

SPECIAL APPROVALS

TOWN OF MOREHEAD CITY

(LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPI, DHHS, ICC, ETC., DESCRIBE BELOW)

CONSULTANTS: BURNETTE ARCHITECTURE & PLANNING **ENERGY SUMMARY** ENERGY REQUIREMENTS: THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED, EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PERFORMANCE METHOD, STATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VS. ANNUAL ENERGY COST FOR THE PROPOSED DESIGN. **⊠**3 □4 □5 CLIMATE ZONE: MARINE STRUCTURAL & STRUCTURAL METHOD OF COMPLIANCE: PRESCRIPTIVE (ENERGY CODE) ANDREW CONSULTING ENGINEERS PERFORMANCE (ENERGY CODE) PRESCRIPTIVE (ASHRAE 90.1) PERFORMANCE (ASHRAE 90.1) CIVIL ENGINEERING & SURVEYING ROOF/CEILING ASSEMBLY (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY U-VALUE OF TOTAL ASSEMBLY SEAL: R-VALUE OF INSULATION SKYLIGHTS IN EACH ASSEMBLY U-VALUE OF SKYLIGHT TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY EXTERIOR WALLS (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY U-VALUE OF TOTAL ASSEMBLY R -VALUE OF INSULATION OPENINGS (WINDOWS OR DOORS WITH GLAZING) U-VALUE OF ASSEMBLY SOLAR HEAT GAIN COEFFICIENT TOTAL PROJECTION FACTOR ACCESSIBLE DOOR R-VALUES UNITS WALLS BELOW GRADE (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY U-VALUE OF TOTAL ASSEMBLY R-VALUE OF INSULATION FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY U-VALUE OF TOTAL ASSEMBLY R-VALUE OF INSULATION ACCESSIBLE FLOORS SLAB ON GRADE **REVISIONS:** DESCRIPTION OF ASSEMBLY U-VALUE OF TOTAL ASSEMBLY 17 JUNE 2013 R-VALUE OF INSULATION HORIZONTAL/VERTICAL REQUIREMENT SLAB HEATED MECHANICAL SUMMARY - REFER TO MECHANICAL DRAWINGS MECHANICAL SYSTEM, SERVICE SYSTEMS AND EQUIPMENT THERMAL ZONE WINTER DRY BULB: N/A SUMMER DRY BULB: INTERIOR DESIGN CONDITIONS WINTER DRY BULB: N/A SUMMER DRY BULB: RELATIVE HUMIDITY: _____ BUILDING HEATING LOAD: N/A BUILDING COOLING LOAD: N/A "JIB" PROPERTY MECHANICAL SPACING CONDITIONING SYSTEM DESCRIPTION OF UNIT: __ HEATING EFFICIENCY: COOLING EFFICIENCY: SIZE CATEGORY OF UNIT: _ Morehead City, NC 28557 PHASE I-☐ E ☐ F ☐ HISTORICAL DATA **OBSERVATION** SIZE CATEGORY. IF OVERSIZED, STATE REASON. ____N/A DECK SIZE CATEGORY, IF OVERSIZED, STATE REASON. ____N/A APPROVED BY OWNER DATE LIST EQUIPMENT EFFICIENCIES N/A K (FOUNTAIN) APPROVED BY OWNER DATE ELECTRICAL SUMMARY - REFER TO ELECTRICAL DRAWINGS ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE: PRESCRIPTIVE PRESCRIPTIVE PERFORMANCE DATE: _ ENERGY CODE PERFORMANCE ASHRAE 90.1 CHECK BY: MKC DRAWN BY: LNS LIGHTING SCHEDULE (EACH FIXTURE TYPE) See Electrical Plans LAMP TYPE REQUIRED IN FIXTURE SCALE: NTS See Electrical Plans NUMBER OF LAMPS IN FIXTURE See Electrical Plans BALLAST TYPE USED IN FIXTURE NUMBER OF BALLASTS IN FIXTURE See Electrical Plans TOTAL WATTAGE PER FIXTURE ≈60W TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED (WHOLE BUILDING OR SPACE BY SPACE) _____N/A__ TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED N/A All lighting is low voitage landscape lighting. ADDITIONAL PRESCRIPTIVE COMPLIANCE DRINKING FOUNTAINS N/A 506.2.1 MORE EFFICIENT MECHANICAL EQUIPMENT REGULAR ACCESSIBLE N/A 506.2.2 REDUCED LIGHTING POWER DENSITY N/A 506.2.3 ENERGY RECOVERY VENTILATION SYSTEMS N/A 506.2.4 HIGHER EFFICIENCY SERVICE WATER HEATING N/A 506.2.5 ON-SITE SUPPLY OF RENEWABLE ENERGY N/A 506.2.6 AUTOMATIC DAYLIGHTING CONTROL SYSTEMS

NOTE: APPENDIX B INCLUDES DATA FOR THE PREVIOUSLY PERMITTED FOUNTAIN AND PLAZA AS WELL AS FOR THE OBSERVATION DECK.

APPENDIX B

3 JAN. 2013

WATERFRONT

AMENITY

MK CHALK

P.O. Box 622

ARCHITECTURE, PA

ASSOCIATE ARCHITECT

MEP ENGINEERING

STROUD ENGINEERING L. MICHAEL STROUD, P.E.

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MOREHEAD CITY, NC

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